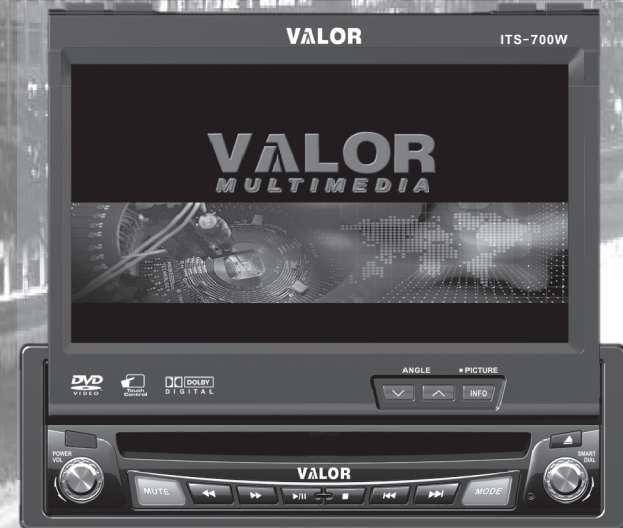


VALOR MULTIMEDIA

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NOTE:

- (1) This unit is manufactured under license from Dolby Laboratories
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ITS-700W OWNER'S MANUAL

Contents

Thank you for your choosing our product. We hope you will find the instructions in this user manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new ITS-700W for maximum enjoyment.

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NOTE:

1. certain description in the book may differ from the actual unit.
2. Some pictures or icons in the book may differ from actual display.
3. Specifications subject to change without notice.

Preparation

Please read all of the instructions below before beginning your installation. We recommend that you have your unit installed by a mobile video/navigation installer.

Features

- Single DIN size, all-in-one integrated entertainment system.
- Built-in DVD Player, Car specification slot-in mechanism..
- High resolution 7" (16:9) TFT color monitor, contrast and brightness adjustment.
- Built-in 40W X 4 output amplifier, 4 channel surround sound output.
- All functions can be operated by included Remote Controls.
- Powerful Graphic User Interface and software update ability.

Tools and Supplies

You will need these tools and supplies to install the unit.

- Torx type, flat-head and Philips screwdrivers
- Wire cutters and strippers
- Tools to remove existing radio (screwdriver, socket wrench set or other tools)
- Electrical tape
- Crimping tool
- Multimeter
- Crimp connections
- 18 gauge wire for power connections
- 16 – 18 gauge speaker wire
- Heatshrink tubing
- Soldering iron and solder

WARNINGS

1. Only connect the unit to a 12-volt negative ground system.
2. Never install this unit where operation and viewing could interfere with safe driving conditions.
3. To reduce the risk of a traffic accident (except when using for rear view video camera) never use the video display function while driving the vehicle. This is a violation of law.
4. To reduce the risk of a traffic accident, never driving with the sound at a level that prevents you from hearing sounds outside around the vehicle.
5. Never disassemble or adjust the unit without the assistance of a professional. For details, please consult your local car stereo specialty shop.
6. To prevent injury from shock or fire, never expose this unit to moisture or water.
7. Never use irregular discs.
8. To prevent damage to the mechanism inside this unit, avoid impact to the TFT monitor.
9. Do not change the fuse on the power wire without professional guidance. Using an improper fuse may cause damage to the unit and result in a fire.
10. The monitor employs an automatic motorized mechanism. To prevent damage to the core mechanism, please do not push, pull or swivel the monitor manually.

Disconnecting the Battery

To prevent a short circuit, be sure to turn off the ignition and remove the negative (-) battery cable prior to installation.

NOTE: If the unit is to be installed in a car equipped with an on-board drive or navigation computer, do not disconnect the battery cable. If the cable is disconnected, the preset memory may be erased. Under these conditions, use extra caution during installation to avoid causing a short circuit.

NOTE: It is especially important that you read the WARNINGS and NOTES in this manual.

Controls and Indicators

Button Operation



1. POWER OFF/ VOL

Rotary encoder.

Press the encoder to turn on the unit, press and hold to turn off.

Rotate clockwise/counterclockwise to adjust the volume.

Press to enter the audio adjust menu when the unit is on.

2. MUTE

Press the button to mute the volume, and press the button again to restore the volume.

3. FAST REVERSE

4. FAST FORWARD

5. PLAY/PAUSE

6. STOP

7. PREVIOUS

8. NEXT

9. MODE

10. RESET

Use this button to restart the machine

11. SMART DIAL

Rotary encoder.

Press the encoder to access MAIN menu.

Rotate clockwise/counterclockwise to select a desired item and press to access or confirm.

12. EJECT

Press once to eject the disc.

Hold to reset loading mechanism.

13. DISK SLOT

14. INFO

Press to display playback information on the screen on DVD mode, if the TFT monitor is closed DVD playback information will display on the LCD screen.

Press and hold to access the picture setup.

15. ANGLE+

Press the button to adjust the upward tilt angle of the screen one step at a time.

Press and hold this button to continuously adjust the upward tilt.

Press this button to adjust the picture settings in picture setup.

16. ANGLE-

Press the button to adjust the downward tilt angle of the screen one step at a time.

Press and hold this button to continuously adjust the downward tilt.

Press this button to adjust the picture settings in picture setup.

17. TFT DISPLAY

18. OPEN

Press the OPEN button to activate the motorized system and move the TFT monitor into viewing position.

Press again to close the TFT.

19. DISP

Press to display system information on the front LCD screen when the main screen is closed

20. LCD DISPLAY

21. AS/PS (Auto store/program scan)

Press to auto store strong radio stations in the 12 preset channels in the current band

Press and hold to start to scan the preset radio station

22. BAND

Press to change among the following bands: FM1, FM2, FM3, AM

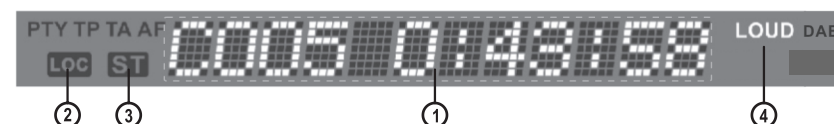
Press to change tuner mode while in other source

23. DISC INDICATOR LIGHT

It is blue when there is no disc in the unit

It is red when there is disc in the unit

LCD Display/Indicators

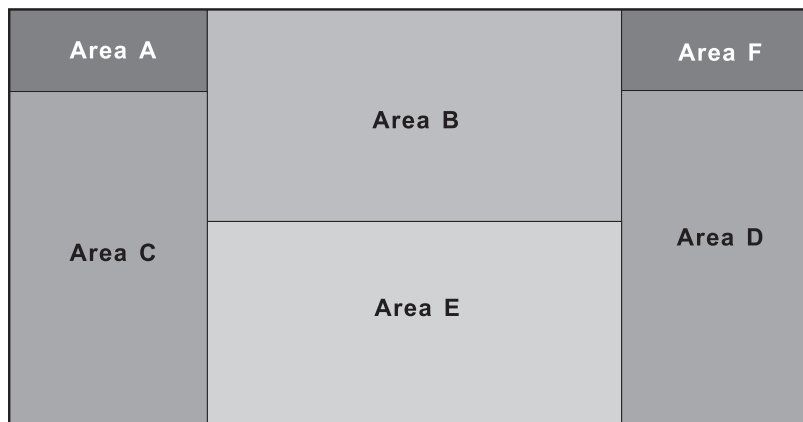


1. Main display area, displays the time, tuning frequency and other text information.

2. Local indicator, Indicates the local radio station seeking function is activated or not

3. Stereo broadcasting indicator, Indicates the radio is in stereo mode or not
4. Loudness indicator, Indicates the LOUD function is activated or not.

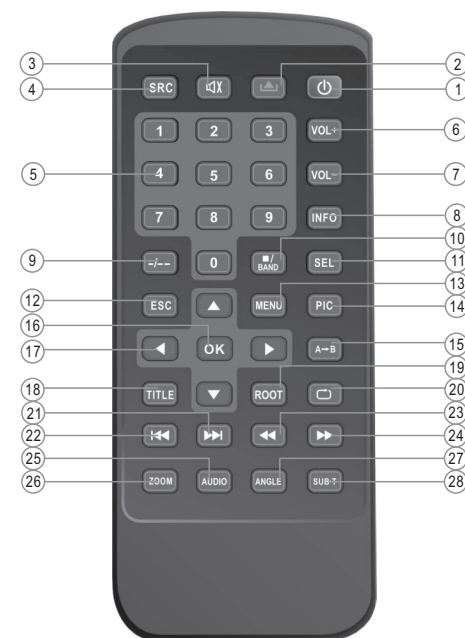
The key areas of touch screen








- A — Return to MAIN MENU
- B — Display playing information
- C — Select previous chapter
- D — Select next chapter
- E — Display the on-screen controls, and different mode displays different menu.
- F — On DVD/VCD mode, display the GOTO search menu on the screen directly.

Remote Control

Remote Control




Name	Ref #	Signal	Function
Power	1		Turn the power on/off
Open	2		Open/close the motorized screen
Mute	3		Toggle on/off audio output
SRC	4	SRC	Select playing mode
Numeric button	5	1 2 3 4 5 6 7 8 9 0	Directly access certain chapter / track / preset station in current band
VOL up	6	VOL+	Increase the volume
VOL down	7	VOL-	Decrease the volume
Information	8	INFO	Display playing information
GOTO search	9	-/-	Position search function on VCD/DVD mode
Stop/Band	10		Select FM/AM band on Tuner mode Stop playback
Select	11	SEL	Enter the audio settings
ESC	12	ESC	Exit the current menu
Menu	13	MENU	Enter the main menu of system
Picture	14	PIC	Adjust the picture settings
Repeat A—B	15	A→B	Set start point A and end point B to repeat continually
OK	16	OK	Start or pause playback, confirm the settings
Direction buttons	17		Up/down/left/right to select items for setting


Name	Ref #	Signal	Function
Title	18	TITLE	Also can activate and disable SCAN mode while playing CD
Root	19	ROOT	Enter the main menu of the disc Turn on PBC while playing VCD
Repeat	20		Repeat playback for current chapter
Next	21		Select the next chapter/track for playback Search an available radio station by increasing tuning frequency on tuner mode
Previous	22		Select the previous chapter/track for playback Search an available radio station by decreasing tuning frequency on tuner mode
Fast Reverse	23		Fast reverse the disc content
Fast Forward	24		Fast forward the disc content
Audio	25	AUDIO	Change the audio language for disc playback
Zoom	26	ZOOM	Zooming in/out on an image
Angle	27	ANGLE	Play in different angle for a scene scene(if it is applicable)
SUB Title	28	SUB-T	Language selection for subtitle

TFT Monitor Operation

Open/Close TFT Monitor

Press the () button on the front zone remote control or press the (OPEN) button on the front panel to open/close the monitor.

TFT Monitor Auto Open

- If "TFT Auto Open" is "On", when the unit is turned on, the monitor automatically open to the last viewing position.
 - If "TFT Auto Open" is "Off", when the unit is turned on, press the () button on the remote control or press the (OPEN) button on the front panel to open the monitor into the desired viewing position.
 - If "TFT Auto Open" is "Manual",when the unit is turned on or turned off, the monitor has no movement.
- See "General setting" for more instructions.

Monitor Tilt Angle Adjustment





The monitor angle can be adjusted for optimum viewing using one of the following methods:
Press the () or () buttons on the front panel to adjust the tilt angle of the screen one step at a time.
Press and hold the () or () buttons to continuously adjust the tilt angle.
Adjust the "Screen Tilt" in the "Screen setting" to adjust the tilt of the screen to the desired degree.

Image Setting

Video Output Format

The table below shows the video output format for each source.

Video Output Format



Name	Video Output Format
FM/AM TUNER	RGB Mode
DVD	RGB Mode
AUX IN	CVBS Mode

*CVBS-- Composite Video Base band Signal

Adjustable Parameters

While in RGB mode, the only parameter that can be adjusted is brightness (BRIGHT). To access "PICTURE", "COLOR", "CONTRAST", and "TINT" you must be in CVBS mode.

Parameter Adjustment Procedure

1. Enter Picture Quality Setting Mode:
Press the PIC button on the remote or press and hold the INFO button on the front panel of the unit.
2. Select Items to Set:
Press the ( / ) buttons on the remote or rotate the SMART DIAL button clockwise/anticlockwise to select an item.
3. Set Parameters:
Rotate the "VOL" on the front panel can also adjust the selected feature.

4. Exit Picture Quality Setting Mode:

Press the PIC button on the remote or press and hold the INFO button on the unit.

NOTE: A video source must be connected to the AUX input and be playing to access the above adjustments.

Parking Brake Interlock

1. When the "PARKING" lead is connected to the brake switch, the display on the TFT monitor will display video only when the vehicle is stopped and the parking brake is applied.
2. When the "parking brake inhibit" is active, the front monitor displays a caution message with blue background, preventing the driver from watching video while driving to reduce the risk of a traffic accident.

Please see "INSTALLATION SECTION" for installation.


Monitor Movement Mechanism


If an obstruction occurs in the monitor path, the motion will stop automatically to prevent damage to the mechanism or monitor.

Normal operation is resumed by pressing the (OPEN) button or disconnecting and reconnecting the power.

Basic Operations

Power On / Off

Press the POWER OFF /VOL button to turn the unit on. The buttons on the front of the unit are illuminated and start up message is briefly displayed on the LCD screen, and then displays the current mode status. You can also turn on the unit by pressing the POWER button () on the remote control.

Press and hold the POWER OFF /VOL button on the front panel for more than 1 second or press the POWER button () on the remote to power off the unit. The monitor is drawn back into the main compartment and the LCD screen displays "BYE BYE".

Playing Source Selection

Press the MODE button on the front panel or the (SRC) button on the remote to change among available playing sources: TUNER, DVD, AUX IN. The playing mode is displayed on the TFT display.

Volume Adjustment

To increase or decrease the volume level, turn the POWER OFF /VOL on the front panel or press the (VOL+ / VOL-) buttons on the remote control. The volume ranges from "0" to "40". The default volume is "10" when the unit is powered on each time. Default volume memory setup: Rotate Power Off/VOL knob on the front panel to select volume value and then press and hold the Power Off/VOL button until you hear a single beep. When you hear the beep, setup is completed.

Audio Control Menu

The Audio Control feature allows you to easily adjust your audio system to meet the acoustical characteristics of your vehicle, which vary depending on the type of vehicle and its measurements. To get the best possible sound quality from your new system, be sure to adjust the settings for the speakers as well. Proper setting of the Fader and Balance boosts the effects of the cabin equalizer.

Audio Adjustments

Audio Function	Adjustable Range
EQ	User
	Flat
	Jazz
	Pop
	Classical
	Rock
	News
	Urban
	Rave
	Movie
	Techno

Audio Function	Adjustable Range
BASS	-7 to +7
TREBLE	-7 to +7
FADE	-9 to +9
BAL	-9 to +9
S W	-7 to +7
LOUD	Off, On

NOTE: The Bass and Treble levels are only adjustable when EQ is on "User" mode.
 The Loudness function compensates for deficiencies in sound ranges at low levels. Loudness levels range from 1-4 or "off". When the Loudness function is on, LOUD is displayed on the screen.

Exiting the Audio Control Menu

touch the return arrow on the top right of the display.

Press the (ESC) button on the remote control to exit the audio control menu.

Four-Channel Audio Control


4-Channel Audio Adjustments

Item	Adjustable Range
Master Volume	00 to 40
Front Left Channel Volume	-10 to +10
Front Right Channel Volume	-10 to +10
Center Channel Volume	-10 to +10

System Reset

To correct a system halt or other unusual operation, use the tip of a pen to press the RESET button located on the front bottom-right corner of the unit. After a system reset, the unit restores the settings before last power off.

Mute

Press the MUTE button on the front panel or the MUTE button () on the remote to mute the volume from the unit.

NOTE: Press the MUTE button again to restore the volume.

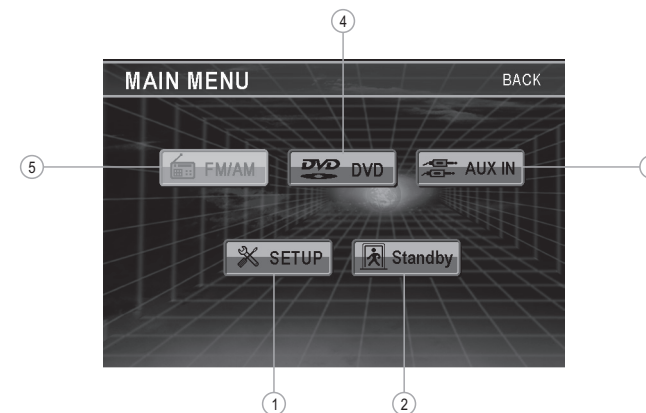
Adjusting the volume or using any of the audio set-up features will cancel the mute function.

System Setup Menu

MAIN Menu

There are three methods to access the MAIN menu.

- Press the MENU button on the remote control.
- Touch the A area on the touch-screen.
- Press the SMART DIAL button on the front pane




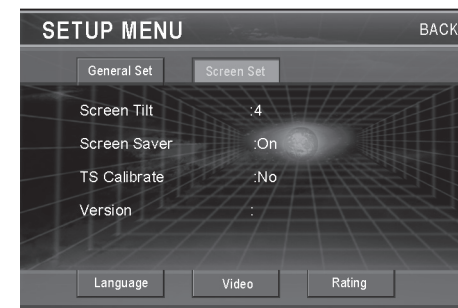
1. Touch to access setup mode.
2. Touch to access Standby mode
3. Touch to access AUX IN mode.
4. Touch to access DVD mode.
5. Touch to access Radio mode.

Note: Touch screen operations and buttons on front panel are all useable to select menu and adjust "SETTING". The following instructions will show the different ways to access menus and adjustments.

Screen Setting

Accessing the Screen Setup Menu

- Press the (MENU) button on the remote control to access MAIN menu.
- Select the  button on the bottom of the screen and select screen menu to access the Screen setup.



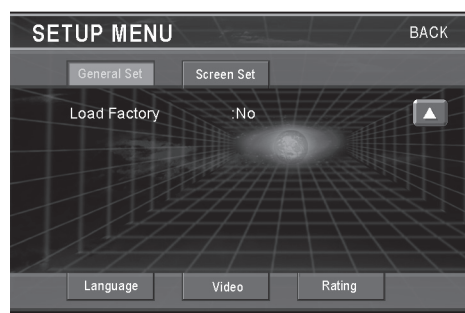
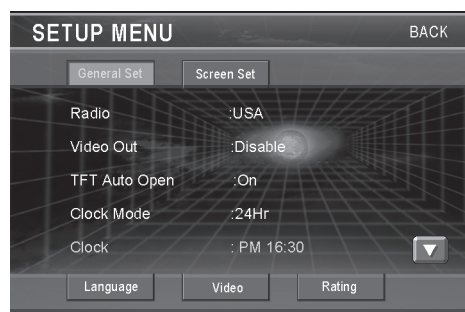
Adjusting a Feature

Setting	Options	Function
Screen Tilt	1 to 5	Press the (◀/▶) buttons on the remote or touch the (1 to 5) number on the screen directly to adjust the tilt of the screen to the desired degree.
Screen Saver	On Off	Touch to activate/deactivate the Screen Saver.
TS Calibrate	No Yes	Touch "Yes" to enter the touch screen calibrate mode.
Version		Displays the software version of unit

General setup Menu

Accessing the General Setup Menu

- Press the (MENU) button on the remote control to access MAIN menu.
- Select the **Setup** button on the bottom of the screen and select General menu to access the General setup.



Selecting a Feature for Adjustment

Press the direction buttons on the remote control or touch the option directly on the screen to select the feature to be adjusted.

Adjusting a Feature

1. Enter the option field for the feature you want to adjust by pressing the (OK) button on the remote. A submenu appears in a second row with the selected option.
2. Select a new value by pressing the direction button.
3. Confirm your selection by pressing (OK) button. The new value setup is complete.

Adjusting the Clock

1. Access the "Clock" setting under the General Setup menu.
2. Press the direction button on the remote to move the cursor to the "Hour" or "Min" position, and press the (OK) button. You also can touch the "Hour" or "Min" position directly.
3. The numeric keypad will pop up.
4. Press the numeric button on the remote control or touch the numeric keypad on the screen to adjust the hour or minutes.
5. Press the (OK) button on the remote control or on the keypad of the screen to confirm setup.

Return to normal playback

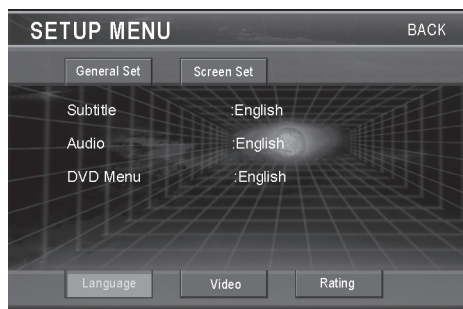
The system will automatically return the previous playback mode you were in before accessing the setup menu after setting with no operation.

Setting	Options	Function
Radio	USA	Select the appropriate setting based on the country in which you reside.
	S-America1	
	S-America2	
	Europe	
	Korea	
	China	
Video out	Disable	Select whether to video out
	Enable	
TFT Auto Open	On	The TFT panel automatically opens when the unit is turned on.
	Off	You must press the ▲ button on the TFT panel or the ▲ button on the remote to open the TFT.
	Manual	The monitor does not open or close when the unit is turned on or turned off.
Clock Mode	12Hr	Clock displays 12 hour time using AM and PM.
	24Hr	Clock displays 24 hour time up to 23:59
Clock	00:27	present time
Load Factory	No/Yes	Load all factory parameters to their original settling

Language Setting

Accessing the Language Setup Menu

- Press the (MENU) button on the remote control to access MAIN menu.
- Select the **SETUP** button on the bottom of the screen and select language menu to access the Language setup.



Adjusting a Feature

Setting	Options	Function
Subtitle	English	Select desired disc subtitle language
	French	
	Spanish	
	Auto	
	off	
Audio	English	Select desired disc audio language
	French	
	Spanish	
DVD Menu	English	Select desired disc menu language
	French	
	Spanish	

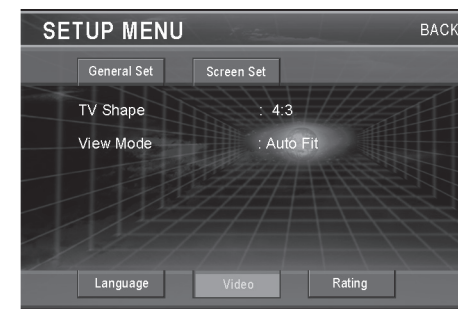
Video Setting

Accessing the Video Setup Menu

- Press the (MENU) button on the remote control to access MAIN menu.
- Select the **SETUP** button on the bottom of the screen and select video menu to access the video setup.

Adjusting a Feature

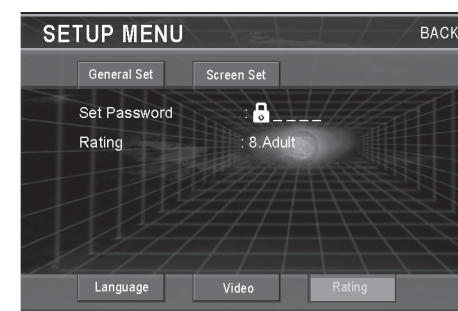
Setting	Options	Function
TV Shape	4:3 16:9	Select desired view mode
View Mode	Fill	
	Original	
	Auto Fit	
	Pan Scan	



Rating Setting

Accessing the Rating Setup Menu

- Press the (MENU) button on the remote control to access MAIN menu.
- Select the **SETUP** button on the bottom of the screen and select rating menu to access the rating setup.

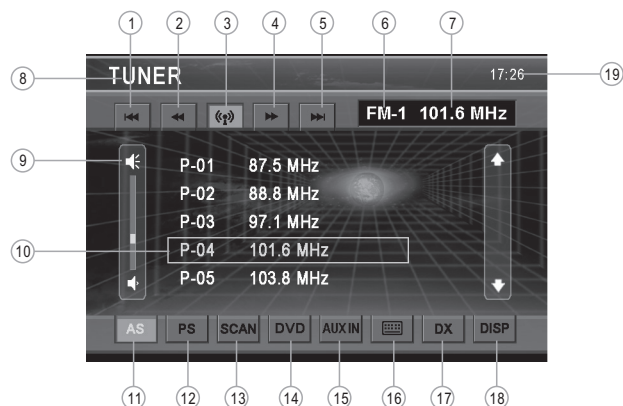


Adjusting a Feature

Setting	Options	Function
Set Password		Touch to display the numeric keypad on the screen, and then you can use the numeric keypad to set password.
Rating	1.Kid Safe	Select desired view mode
	2.G	
	3.PG	
	4.PG-13	
	5.PG-R	
	6.R	
	7.NC-17	
	8.Adult	

Tuner Operation

Tuner Operation Display





1. Touch to seek down.
2. Touch to tune down one step.
3. Touch to change among the following bands: FM-1,FM-2,FM-3,AM.
4. Touch to tune up one step.
5. Touch to seek up.
6. Current Radio Band Indicator
7. Radio Frequency Indicator.
8. Current Source information, touch this area to return to MAIN menu.
9. Volume Indicator.
10. Preset Radio Stations: Touch to recall preset stations or touch and hold to store a station. (Total 12 stations per Band you can preset.)
11. Display AS (Auto store).
12. Display PS (Program scan).
13. Touch to activate/deactivate Scan Mode.
14. Touch to access DVD mode.
15. Touch to access AUX IN mode.
16. Touch to display the numeric keypad on the screen, and then you can use the numeric keypad to access a track directly.
17. Touch to active Local/DX function.
18. Touch to display Track title information on the screen
19. The current time

Switch to Radio Tuner source



Press the MODE button on the front panel or SRC button on the remote control to switch to the Tuner source.



You can also access the tuner mode from the MAIN menu directly.

Select FM/AM Band

Touch the  button on the screen, or press the BAND button() on the remote control /on the front panel to change among the following bands: FM-1,FM -2,FM-3,AM.

Auto Tuning

Press the button () on remote control or touch the  button on the screen to seek the next available channel by increasing the tuning frequency. Press the button again to stop searching.

Press the button () on the remote control or touch the  button on the screen to seek the next available channel by decreasing the tuning frequency. Press the button again to stop searching.

Manual Tuning

Touch the  or  to increase or decrease the tuning frequency one step.

Using Preset Stations

12 numbered preset buttons store and recall stations for each band. 12 stored stations (P01-P12) for the current band appear on the screen, touch the channel directly to select.

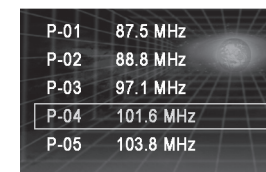
You can touch the arrow buttons   on the screen to select other stations.

Storing a Station

1. Select a band (if needed), then select a station.
2. Touch and hold an onscreen preset button (4) for three seconds. The preset number appears at the top of the screen.

Recalling a Station

1. Select a band (if needed).
2. Touch an on-screen preset button (4) to select the corresponding stored station.



Auto Store (AS)

Press the AS/PS button on the panel or press the  button on the screen to automatic scan and store strong radio stations in the 12 preset channels in the current band.

Program Scan (PS)

1. Press and hold the AS/PS button on the panel or press the **PS** button on the screen. Scan the stations in the 12 preset channels in the current band.
2. Touch the **SCAN** button on the screen to automatically scan all stations in current band to preview stations.
3. Press any button to stop scanning and listen to the selected station.

Local Radio Stations Seeking (LOC)

When the Local function is on, only radio stations with a strong signal are tuned. When the Local function is active, "LOC" appears on the screen and an indicator is illuminated.

To activate the Local function in AM/FM tuner mode, touch the **LOC** button on the screen.

Touch the **LOC** again to activate the DX function

DVD Player Operation

NOTE: When properly installed, DVD video cannot be displayed on the main TFT screen unless the parking brake is applied. If you attempt to play a DVD while the vehicle is moving, the TFT screen displays caution information with a blue background. Rear video screens, if applicable, will operate normally.

Opening/Closing the TFT Video Screen

Opening the TFT Screen

To open the TFT video screen, press the (OPEN) button on the unit or press the (**▲**) button on the remote control.

Closing the TFT Screen

Press the (OPEN) button on the unit or press the (**▲**) button on the remote control again to close the TFT screen.

Insert/Eject Disc

Inserting a Disc

When inserting a DVD disc, DVD mode is entered and disc play begins.

NOTE: You cannot insert a disc if there is already a disc in the unit or if the power is off.

NOTE: CD-R/RW, DVD-R/RW, DVD+R/RWs will not play unless the recording session is closed.

Ejecting a Disc

Press the button **▲** on the unit to eject the disc. The unit automatically reverts to Tuner mode at the same time.

Reset the Loading Mechanism

If the disc loads abnormally or does not play properly, press and hold the button **▲** on the unit to reset the loading mechanism. The disc is ejected and normal operation resumes.

Accessing DVD Mode

To switch to DVD mode when a disc is already inserted, press the button on the front panel or on the remote control till DVD appears at the top of the screen.




Using the Touch-Screen Controls



- 1.Touch to Play/Pause
- 2.Touch to stop
- 3.Touch to fast reverse
- 4.Touch to fast forward
- 5.Touch to repeat from A to B. Select the repeat point A wherever you want to start and the point B wherever you want to end, then, DVD displays from A to B continually.
- 6.Touch to repeat playback
- 7.Touch to choose a language, if the disc is recorded in multiple languages.
- 8.Touch to display Sub-title
- 9.Touch to return to DVD main menu

Controlling Playback


Stopping Playback

Touch the stop button  on the screen or press the ( / BAND) button on the remote control to stop DVD play; touch the play/pause button  on the screen or the (OK) button on the remote control to resume disk play.

Pausing Playback

Touch the play/pause button  on the screen to suspend or resume disc play.




Repeat Playback

Press the Repeat button  on the screen or on the remote control to alter repeat mode according to the following:


- DVD: Repeat Title, Repeat Chapter, Repeat Off
- MP3: Repeat Single, Repeat Folder, Repeat Off

Sectional Repeat Function (A-B)



Use the A-B function to define a specific area of a disc to repeat.

- Press the  button on the screen or on the remote control to set the start point (A) of the repeated section.
- Press the  button again once you reach the desired end point (B) of the repeated section. The selected portion of the DVD will now repeat continuously.
- Press the  button again to cancel the A-B section setting and stop repeat play.

Accessing the DVD Menu

- 1.You can touch the area F, and then touch the  button to recall the main DVD menu.
- 2.Use the arrow buttons on the remote to select a title from the menu.
- 3.Press the (TITLE) button on the remote control to select a different title for playback.
- 4.Press the (OK) button on the remote control or touch the item directly to confirm your selection and begin playback.



Moving Through Chapters

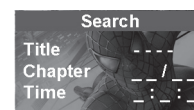
Press the () button on the remote control to advance to the next chapter on the DVD. Press the () button on the remote control to move to the previous chapter on the DVD.

Touch the right side of the screen to advance to the next chapter, or touch the left side of the screen to move to the previous chapter.

GOTO Search

During DVD playback, perform the following steps to use the GOTO feature to access a specific location on a disc:

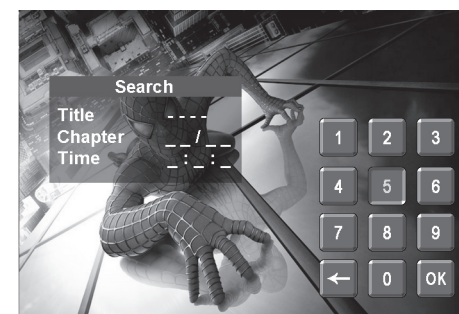
1. Press the “-/-”button on remote control or touch the F Area on the screen to enter “GOTO” mode.
2. Press the ( / ) buttons on the remote control to select a category.



DVD Search

Title –Go to specific title
 Chapter – Go to specific chapter in a title.
 Time – Go to specific time in current title

3. Touch the (-- : -- : --) / (---) area on the screen to display a numeric keypad on the touch screen.



4. Enter a time/Track number into the field using the numeric keypad on the remote control or on the screen.
5. Press the OK button on the remote control or on the touch screen to go to the specified location on the disc.
6. Press the “-/-”button on the remote control or touch the F Area on the screen again to exit.

Direct Chapter / Track Selection


During DVD and CD playback, you can use the numeric keypad on the remote control to access a track directly.

Viewing an Alternate Picture Angle (DVD Only)


Some DVDs contain scenes that have been shot simultaneously from different angles. For discs recorded with multiple angles, press the (ANGLE) button on the remote control to toggle available angles of the on-screen image.

Multi-Language Discs (DVD Only)

Changing Audio Language

If you are watching a disc recorded in multiple languages, press the (AUDIO) button on the remote control to choose a language. You also can touch area E, and then touch the  button.

Changing Subtitle Language

If you are watching a disc recorded in multiple languages with subtitles, press the (SUBT) button on the remote control to choose the language in which you would like the subtitles to appear. You also can touch area E, and then touch the  button.

Playback Information




During DVD playback, press the (INFO) button on the remote control or touch area B to display playback information on the screen, including the media playing and current playback time.

DVD Playback Information






The following information is displayed at the top of the screen during DVD playback:

DVD Video	Elapse time 05:24
Title 1/2	Remain time 02:05:39
Audio 1/4-6 Ch Chi	Chapter 2/32
Subtitle Off	
Angle 1/1	

General Disc Information

Symbol	12cm Disc Properties	Max Play Time
	Single side single layer (DVD-5)	(MPEG 2 Method)
	Single side double layer (DVD-9)	133 minutes
	Double side single layer (DVD-10)	242 minutes
	Double side double layer (DVD-18)	266 minutes
		484 minutes
	Single side single layer	74 minutes

Disc Symbols

Symbol	Meaning
	Number of voice languages recorded. The number inside the icon indicates the number languages on the disc (maximum of 8).
	Number of subtitle languages available on the disc (maximum of 32).
	Number of angles provided (maximum of 9).
	Aspect ratios available. "LB" stands for Letter Box and "PS" stands for Pan/Scan. In the example on the left, the 16:9 video can be converted to Letter Box video.
	Indicates the region code where the disc can be played. <ul style="list-style-type: none"> Region 1: USA, Canada, East Pacific Ocean Islands Region 2: Japan, Western Europe, Northern Europe, Egypt, South Africa, Middle East Region 3: Taiwan, Hong Kong, South Korea, Thailand, Indonesia, South-East Asia Region 4: Australia, New Zealand, Middle and South America, South Pacific Ocean Islands/ Oceania Region 5: Russia, Mongolia, India, Middle Asia, Eastern Europe, North Korea, North Africa, North-West Asia Region 6: Mainland China ALL: All regions

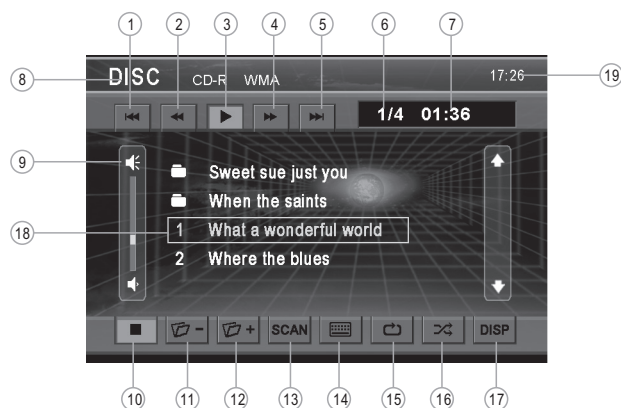
CD/MP3/WMA/Operation

Instructions for Insert/Eject, Play/Pause, Stopping Playback, Track Selection, Fast Forward/Fast Reverse, Scan, and Random Play are the same for DVD, CD and MP3 operation. Please see the DVD Player Operation section for information about these topics.

The file naming formats listed below are compatible with this unit:

- ISO 9660 – file name: 12 characters, file extension: 3 characters
- ISO 9660 – file name: 31 characters, file extension: 3 characters
- Joliet – 64 characters If the file or folder name does not conform to ISO 9660 file system standards, it may not be displayed or played back correctly.

CD Player User Interface



1. Touch to seek down.
2. Touch to fast backward current track .
4. Touch to fast forward current track .
5. Touch to seek up.
6. Current track and total number of tracks on disc
7. Elapsed playing time.
8. Current source indicator, touch this area to access MAIN menu.
9. Volume indicator
10. Touch to stop disc playback
11. Touch to turn to the previous page.
12. Touch to turn to the next page.
13. Touch to activate/deactivate Scan Mode
14. Touch to display the numeric keypad on the screen, and then you can use the numeric keypad to access a track directly.
15. Touch to activate/deactivate Repeat Single Mode
16. Touch to activate/deactivate Random Mode
17. Touch to display Track title information on the screen .
18. Track title
19. The current time

Playing CD Files

After inserting a CD disc, files will play in the sequence of the directory. In playing back, you can press the numeric button on the remote control or touch a track on the onscreen directly to play.

Previous/Next Page

Touch the or on the screen to navigate through the pages/files.

Fast backward/fast forward

Touch the or on the screen to fast backward or fast forward play.

Troubleshooting

Problem	Cause	Corrective Action
GENERAL		
Unit will not power on	Radio Fuse blown	Install new fuse with correct rating
	Car battery fuse blown	Install new fuse with correct rating
	Illegal operation	Press the RESET button located in the bottom right corner of the front panel
Remote control does not function	Battery depleted	Replace battery with new one
	Battery installed incorrectly	Remove battery and install correctly
No/low audio output	Improper audio output connection	Check wiring and correct
	Volume set too low	Increase volume level
	Improper "MUTE" connection	Review wiring diagram and check "MUTE" connection
	Speakers damaged	Replace speakers
	Heavily biased volume balance	Adjust the channel balance to the center position
	Speaker wiring is in contact with metal part of car	Insulate all speaker wiring connections
Poor sound quality or distortion	Unauthorized disc is in use	Use original copy
	Speaker power rating not compatible with unit	Connect proper speakers
	Speaker is shorted	Check speaker connections
Tel-Mute malfunction	"MUTE" wire is grounded	Check that "MUTE" connection is not grounded and that it's properly insulated
Unit resets itself when engine is off	Incorrect connection between yellow memory wire and positive battery wire	Check wiring and correct
TFT MONITOR		
Monitor does not open automatically	TFT Auto Open is turned off	Turn TFT Auto Open on
No image	Incorrect connection to parking brake wire	Check wiring and correct
	PRK SW is activated and parking brake is not engaged	Stop vehicle in safe place and apply parking brake
Flashing image or interference appears on screen	DVD is not compatible with current TV system settings	Change setup to accommodate disc
	Improper video signal connections	Check wiring and correct
Prolonged image or improper height/width ratio display	Improper aspect ratio setup	Use correct aspect ratio setting
Monitor stops at incorrect position	Moving path is blocked	Press OPEN key to restart monitor movement

Problem	Cause	Corrective Action
TUNER		
Weak station searching	Auto antenna is not fully extended	Connect the auto antenna control cable properly
	Auto antenna not properly connected	Connect the auto antenna control cable properly
	LOCAL function is activated	Turn LOCAL function off
DISC		
Cannot insert disc	Disc already inside unit	Eject current disc and insert new one
Disc does not play back	Disc is warped or scratched	Use disc in good condition
	Disc is dirty or wet	Clean disc with soft cloth
	Incompatible disc is used	Use compatible disc
	Disc rating exceeds Parental Lock rating limit	Change Parental Lock settings to lower restriction
	Disc is inserted upside down	Insert disc with label side up
	Disc region code is not compatible with unit	Use disc with proper region code
Image blurred, distorted, or dark	Disc is illegally copied	Use original disc
PBC cannot be used during VCD playback	PBC is not available on the disc	
No repeat or searching while playing VCD	PBC is on	Turn PBC off
MP3		
Interruption occurred during playback	Disc is dirty or scratched	Clean disc or replace
	File is damaged/bad recording	Recreate disc with good files
Incorrect playback message displayed	Message is longer than LCD can display	

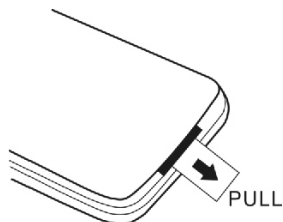
Error Messages

Message Displayed	Cause	Corrective Action
Loading	Disc is being read	
No Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
	Disc not present in loading compartment	Insert disc
Bad Disc	Disc is dirty	Clean disc with soft cloth
	Disc is upside down	Insert disc with label side up
Unknown disc	Disc format is not compatible with this unit	
Region Error	DVD is not compatible with region code of unit	
Error	illegal mechanism operation	Press EJECT key for 5 seconds to reset loading mechanism

Remote control

Remote control does not function	Battery is covered with insulation tape	Pull out the insulation tape
	Battery depleted	Replace battery with new one
	Battery installed incorrectly	Remove battery and install correctly

1. When using the remote for the first time, you must pull out the insulation tape.



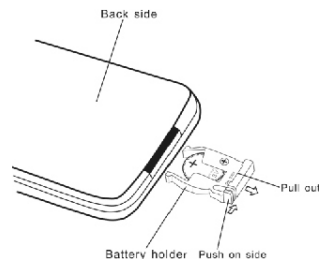
2. Remove the battery if the remote control is not used for a month or longer.

Remove and dispose of the old battery immediately.

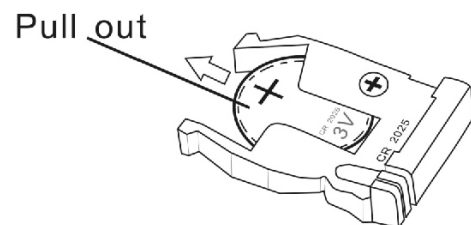
Do not store the battery with metallic materials.

3. Inserting/Replacing the Battery:

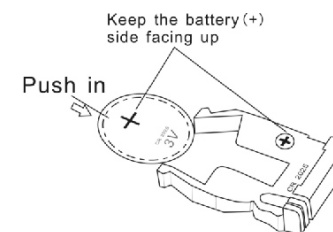
Remove the battery holder



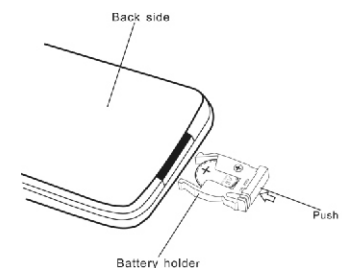
Remove the battery from the battery holder



Install the battery



Insert the battery holder



NOTE: Use only one CR2025(3V) lithium battery.

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Do not recharge, disassemble, heat or dispose of the battery in fire.

Keep batteries away from children to avoid the risk of accident.

Suggestions

1. Only use a piece of clean silicone cloth and neutral detergent to clean the front panel or monitor. A rough cloth and non neutral detergent (such as alcohol) may result in scratching or discoloration.
2. Keep off water and other liquid things.
3. If the temperature inside the player gets too high, a protective circuit automatically stops playing the disc. And then, please wait for the unit to cool down before operating the player again.
4. Never insert anything other than a 5" (12 cm) compact disc into the player as the mechanism can be damaged by foreign objects.
5. Do not attempt to use a 3" (8 cm) CD-Single disc in this unit, either with or without an adaptor, as it will damage the player and disc. Such damages are not covered by the Warranty on this product.
6. When the vehicle warms up during cold weather or under damp conditions, condensation may appear on the LCD panel. If this occurs, the screen will not operate properly until the moisture has evaporated.
7. We suggest that you should clean the discs used in this unit more frequently than used in your home, because of the environmental conditions of the vehicle.

Specifications
DVD Player

Frequency response: 10Hz-20kHz
 Channel separation @ 1kHz: >65dB
 D/A converter: 24 Bit

FM Tuner

Tuning range: 87.5MHz-107.9MHz
 Usable sensitivity: 8.5dBf
 50dB quieting sensitivity: 10dBf
 Stereo separation @ 1kHz: 40dB
 Frequency response: 30Hz-13kHz

AM Tuner

Tuning range: 530kHz-1710kHz
 Usable sensitivity: 22uV
 Frequency response: 30Hz-2.2kHz

Monitor

Panel size: 7" (177.8 mm) diagonal measurement
 View angle (up/down/left/right): 30/60/60/60
 Resolution: 480 W x 234 H
 Brightness (cd/m2): 350
 Contrast ratio: 300:1
 Elements: 336,960

General

Operating voltage: 11-16 VDC, negative ground
 Speaker output impedance: 4~8 ohms
 Line output voltage: 2 Volts
 Line output impedance: 200 ohms
 Chassis dimensions: 7" x 7" x 2"
 (178 x 178 x 51 mm)
 Design and specifications subject to change without notice.

CEA-2006 Power Standard Specifications
 (reference: 14.4VDC +/- 0.2V, 20Hz~20kHz)

Power Output: 17 Watts RMS x 4 channels at 4 ohms and < 1% THD+N
 Signal to Noise Ratio: 80dBA (reference: 1 watt into 4 ohms)

Enclosed Accessories list
Enclosed Accessories list:

No.	Item	Description	Quantity
1	Remote Control	Front Remote Control	1
2	Cables and Wires	Power Harness	1
3		Extended Parking Wire	1
4		3.5mm to RCA interface cable	1
5	Manuals	Main User Manual	1
6		Wiring Diagram	1
7	Others	Trim frame	1
8		Clean Cloth	1
9		Rubber Cover	1
10		Iron Bar	1
11		Screws	2
12		Bolt	1